

# **Title: *Ballistic Missile Defense Simulation Support Center: Capabilities, Status, Architecture, and Availability.***

**Authors:**     *Mr. Tom Kirk, BMD SSC/JNTF*  
                  *Mr. John L. May, BMD SSC/JNTF*

The Ballistic Missile Defense Simulation Support Center (BMD SSC) provides a web-based source of modeling and simulation (M&S) services and information to the DoD community. Sponsored by the Ballistic Missile Defense Organization (BMDO) and located within the Joint National Test Facility (JNTF) at Schriever Air Force Base, Colorado, the BMD SSC hosts an extensive repository of models and simulations, data and related tools that are accessible to users on the classified cyberspace and unclassified internet. In addition, the BMD SSC provides support services including test data acquisition, verification, validation and accreditation, M&S standards advanced distributed simulation and analysis of alternatives. Accessible information includes details about various models and simulations, sensors, weapons, threats and Battle Management Command, Control and Communications (BMC<sup>3</sup>). This paper describes the capabilities of the BMD SSC, its status, architecture and availability to registered users of the center. Included are descriptions of the hardware. The paper also describes the Virtual Data Center which allows users to transparently access data from any of several physically separated but linked Data Centers. The web-based availability of data will allow users to retrieve M&S tools, request services, data bases, results and comparisons of diverse data from a single site.

Address:       Joint National Test Facility  
                  JNTF/CRDC (ITT)  
                  720 Irwin Avenue  
                  Schriever AFB, CO 80912

Phone number: (719) 567-8930  
DSN: 560-8761  
Fax number: (719) 567-8090  
E-mail address: tom.kirk@jntf.osd.mil